THE UNIVERSITY OF WISCONSIN
COLLEGE OF AGRICULTURE

Madison 6

DEPARTMENT OF GENETICS

June 30, 1948.

Dr. Wilson S. Stone,
Dept. Zoology,
University of Texas,
Austin, Texas.

Dear Dr. Stone,

I have just had a chance to read your recent paper in PNAS on the effect of UV on recombination in K-12, which provokes this letter on the heels of my previous one. First of all, I should explain the note of irritation which may have expressed itself. After Dr. Wyss spoke at Oak Ridge, he was apparently misunderstood by some of his audience, and I was asked in several quarters to 'defend' my conceptions of what was going in in K-12 against certain misrepresentations of your group's data. I would have taken it for granted that, under the controversial circumstances, you would have discussed with me or Dr. Tatum any important findings that I might be called upon to answer. But the whole thing is a silly mistake.

The paper itself is very interesting, and may be an important lead to the cytology of the recombination phenomenon, although it is of course not settled. Do you plan to see whether there is a high rate of recombinants among isolated "snakes" compared to the rest of the population? By the way, I don't think you can be having fusion without "meoisis" since the segregation of the "recessive" Lac- does not seem to be disturbed. If UV has an effect, it would have to be on the whole phenomenon.

From your paper too, I note that sending Y87 was somewhat superfluous, although requested. I strongly recommend using phage-resistance. I can send you some stocks if you want them now- after thinking about it, I spent some time regenerating them. Note that Y87 is already V_1^r (i.e. resistant to T1 + T5.)